



Work Instructions

DIRECTIVE NO.: 540-WI-8072.1.1

EFFECTIVE DATE: 02/22/2000

EXPIRATION DATE: N/A

APPROVED BY Signature: original signed by

NAME: Stanley Y. Chan

TITLE: RECERT Manager

Responsible Office: Code 540/RECERT

Title: Certification of New or Modified Lifting Devices (LD) and Equipment (LE)

P1. PURPOSE

This Procedure describes the step-by-step process for the initial certification of Lifting Devices and Equipment (LDE) by the RECERT Manager.

P2. SCOPE

This Procedure is applicable to LDE certification activities at Greenbelt, MD and at the Wallops Flight Facility, VA.

P3. DEFINITIONS

Definitions contained within GMI 1710.6 are applicable hereto.

P4. RECORDS, REPORTS AND FORMS

The following records shall be maintained by the RECERT Manager in the RECERT Master Files in accordance with GPG 1440.7 for the duration delineated for each item.

P4.1 LDE Certification and Recertification Records as defined in GMI 1710.6. (Duration: life of the equipment).

P5. SAFETY PRECAUTIONS AND WARNING NOTES

Safety, caution and warning notes unique to LDE certification shall be included in applicable certification procedures.

P6. REFERENCES

6.1 GMI 1710.6, Certification and Recertification of Lifting Devices and Equipment and Critical Lift Requirements.

6.2 540-PG-8072.1.1, Certification and Recertification of Lifting Devices and Equipment and Ground-Based Pressure Vessels and Pressurized Systems (Recertification Program)

P7. TOOLS, EQUIPMENT, AND MATERIALS

Applicable LDE certification procedures shall include any special tools, equipment, or materials necessary for certification of LDE.

CHECK THE GSFC DIRECTIVES MANAGEMENT SYSTEM AT

<http://gdms.gsfc.nasa.gov/gdms> TO VERIFY THAT THIS IS THE CORRECT VERSION PRIOR TO USE.

P8. CANCELLATION

None

P9. INSTRUCTIONS

The following STEPS are sequential unless noted otherwise.

ACTION*

- (E) A. Develop a Certification Procedure to include at least the following:
 - 1. Engineering verification that GMI 1710.6-required documentation is complete.
 - 2. Type and extent of pre-Proof Load Test inspections and NDT, including acceptance criteria.
 - 3. Step-by-step procedure for Proof Load Test, including the applied test load. Note: This procedure may be generic for multiple types of LE.
 - 4. Type and extent of post-Proof Load Test inspections and NDT, including acceptance criteria.
- (E) B. Obtain RECERT Manager's approval of Certification Procedure.
- (I) C. Perform pre-Proof Load Test inspection and NDT.
 - 1. If acceptable, proceed to STEP D.
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager
- (I) D. Perform Proof Load Test.
 - 1. If acceptable, proceed to STEP E.
 - 2. If unacceptable proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager
- (I) E. Perform post-Proof Load Test inspection and NDT.
 - 1. If acceptable, proceed to STEP F
 - 2. If unacceptable, proceed no further.
 - a. Engineering to initiate NCR.
 - b. Proceed as directed by RECERT Manager
- (I) F. Apply Certification Tag(s), and release for service or return to Owner/User.
- (E) G. Obtain RECERT Manager approval of Certification and file Procedure and Certification Documentation in RECERT Master Files.

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(CM) H. Update CM System to include Certified LD and/or LE as applicable.

* LEGEND: (E) – Engineering; (I) – Inspection; (CM) – Configuration Management

P10. FLOW DIAGRAM

None

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CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	02/22/2000	Initial Issue